ORDER NO. MD0512499C7

A6

Service Manual

Subwoofer System

SB-W740P

Colour

(S)... Silver Type

SB-W740

SPECIFICATIONS

Specification

Type	**1 way, 1 speaker system (Bass-ref.)**
Speaker unit	**Impedance 4 Ω**
Woofer	**16 cm (6-1/2”) Cone type**
Input power (IEC)	**320 W* (Max)**
Output sound pressure level	**80 dB/W (1.0 m)**
Frequency range	**32 Hz - 220 Hz (-16 dB)**
	38 Hz - 180 Hz (-10 dB)
Dimensions (W x H x D)	**183 mm x 396 mm x 267 mm**
	7-7/32” x 15-19/32” x 10-1/2”
Mass	**4 kg (8.8 lbs.)**

Notes :

1. Specifications are subject to change without notice. / Mass and dimensions are approximate.

2. Total harmonic distortion is measured by the digital spectrum analyzer.

■ System : SC-HT740GCPS	**Music Center : SA-HT740GCPS**
	Front Speaker : SB-FS740P-S
	Surround Speaker : SB-FS741P-S
	Center Speaker : SB-PC740P-S
	Subwoofer : SB-W740P-S
■ System : SC-HT740P-S	**Music Center : SA-HT740P-S**
	Front Speaker : SB-FS740P-S
	Surround Speaker : SB-FS741P-S
	Center Speaker : SB-PC740P-S
	Subwoofer : SB-W740P-S
■ System : SC-HT740PC-S	**Music Center : SA-HT740PC-S**
	Front Speaker : SB-FS740P-S
	Surround Speaker : SB-FS741P-S
	Center Speaker : SB-PC740P-S
	Subwoofer : SB-W740P-S
■ System : SC-HT740PX-S	**Music Center : SA-HT740PX-S**
	Front Speaker : SB-FS740P-S
	Surround Speaker : SB-FS741P-S
	Center Speaker : SB-PC740P-S
	Subwoofer : SB-W740P-S

System	SC-HT740GCP/P/PC/PX-S
Music Center System	SA-HT740GCP/P/PC/PX-S
Speaker System	SB-HT740P-S
Subwoofer	SB-W740P-S

Speaker System	SB-HT740P-S
Front Speaker	SB-FS740P-S
Surround Speaker	SB-FS741P-S
Center Speaker	SB-PC740P-S

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

1. Assembling and Disassembling

"ATTENTION SERVICER"
Some chassis components may have sharp edges. Be careful when disassembling and servicing.

1. **This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.**
2. **For reassembly after operation checks or replacement, reverse the respective procedures.**
   Special reassembly procedures are described only when required.
3. **Select items from the following index when checks or replacement are required.**
4. **Refer to the Parts No. on the page of "Parts Location and Replacement Parts List" (Section 5), if necessary.**

Caution:

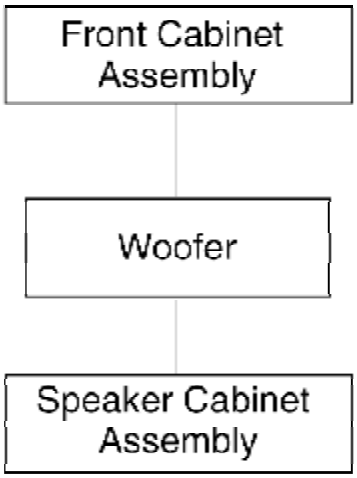
Original screws should be used.

Below is the list of disassembly sections

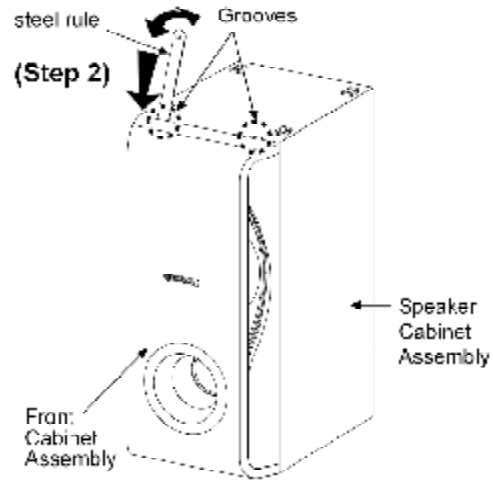
- Disassembly of Front Cabinet Assembly
- Disassembly of Woofer
- Disassembly of Speaker Cabinet Assembly

1.1. Disassembly flow chart

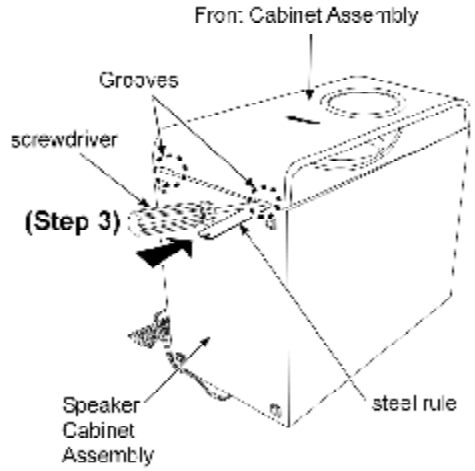
The following chart is the procedure for disassembling the casing and inside parts for internal inspection when carrying out the servicing.
To assemble the unit, reverse the steps shown in the chart as below.



1.2. Disassembly of Front Cabinet Assembly

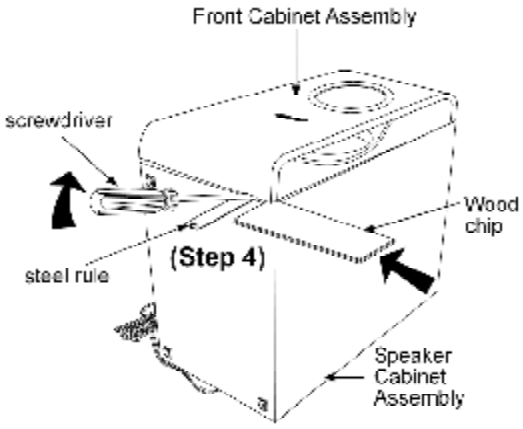


Step 1: Upset the unit as shown above.
Step 2: Insert a steel rule into the grooves of the Speaker unit. Push the steel rule forward and backward as arrow shown.



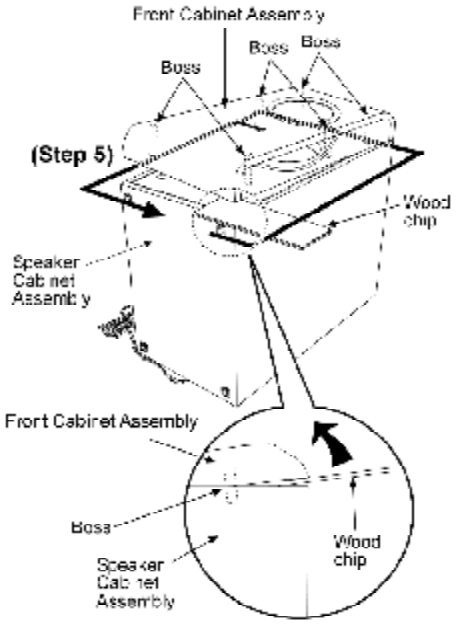
Step 3: Insert a flathead screwdriver into the grooves as arrow shown. Ensure that the screwdriver is above the Steel rule.

Equipment Support
Wood chip: 240 x 50 x 3 mm



Step 4: Use the screwdriver to slightly push up the Front Cabinet Assembly as arrow shown

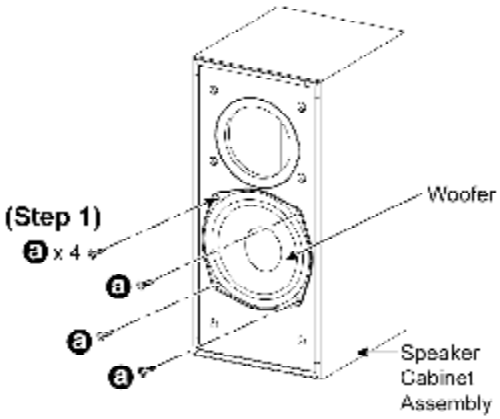
and insert the Wood chip.



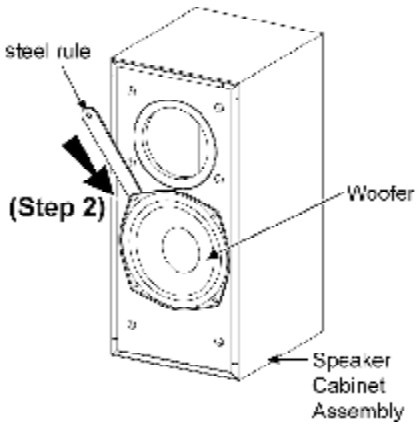
Step 5: At the boss area push up as arrow shown to open the boss.
Caution:
Do not exert strong force as it may damage the Front Cabinet Assembly.

1.3. Disassembly of Woofer

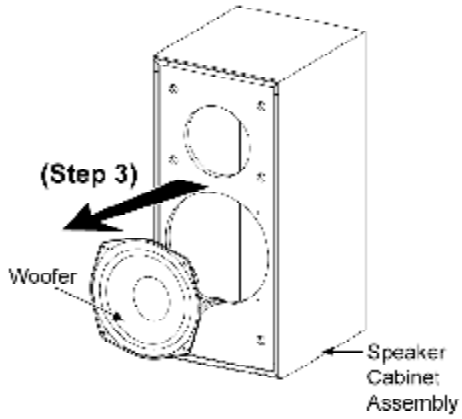
Follow (step 1) to (step 5) of item 1.2.



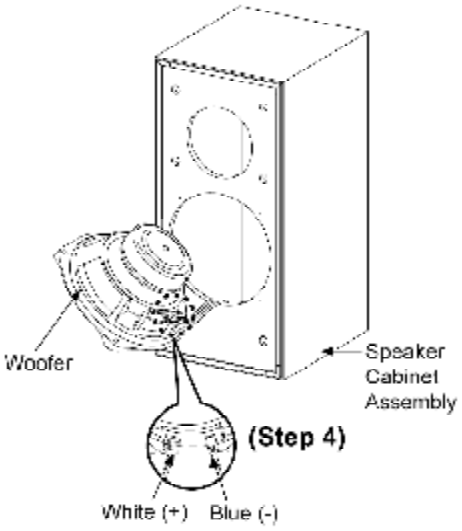
Step 1: Remove all 4 screws from the Woofer.



Step 2: Insert a steel rule between the Woofer and Speaker Cabinet Assembly to push out the Woofer.

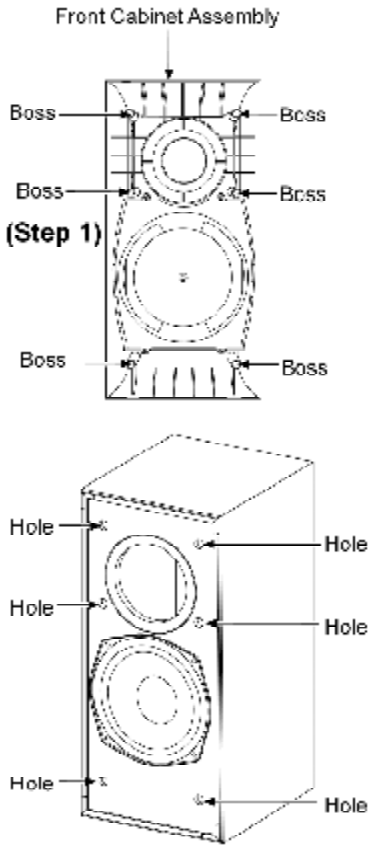


Step 3: Take out the Woofer unit.

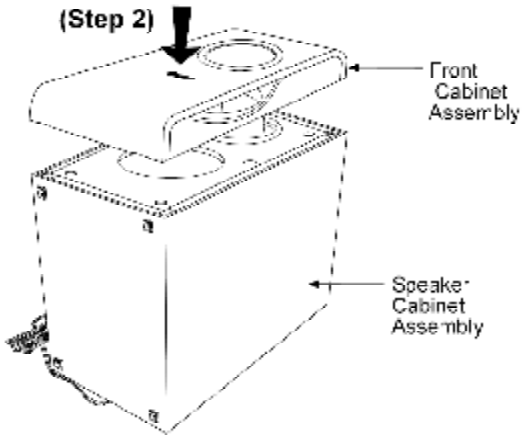


Step 4: Remove the Woofer by detaching the (+) white and (-) blue wires.

1.4. Assembly of Subwoofer Unit



Step 1: Scrape off using the scriber and clean up the remaining glue at the 6 bosses and 6 holes as arrow shown and replace with the normal glue.



Step 2: Fix the Front Cabinet Assembly firmly back to the Speaker Cabinet Assembly.

2. Connection of the Speaker Cables

- Be sure to connect speaker cables before connecting the AC

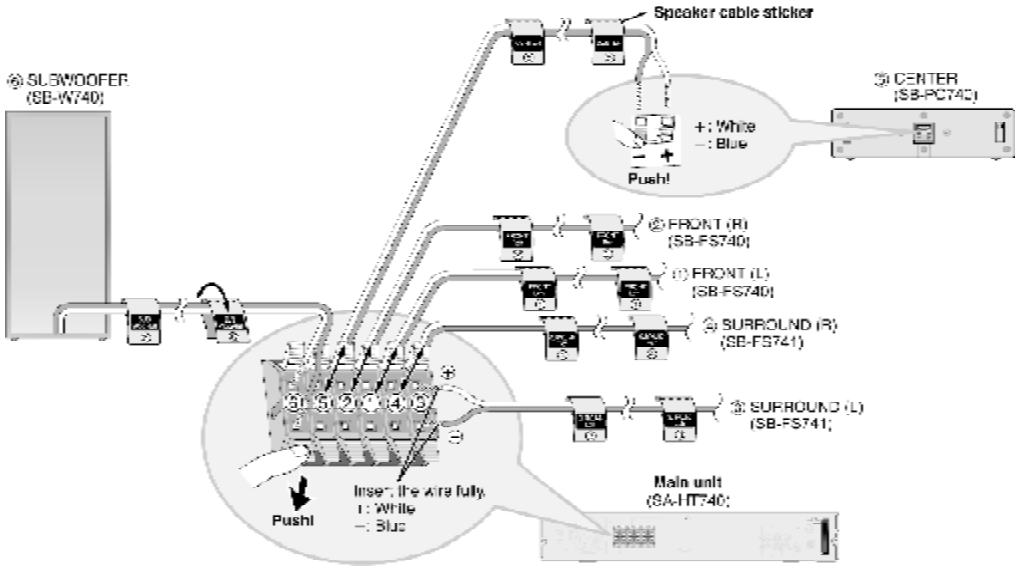
power supply cord.

- The load impedance of any speaker used with this unit must be 4 Ω .

- Be sure to connect the cable from the right speaker to the right terminal and the cable from the left speaker to the left terminal.

1. Strip off the outer covering, and twist the center conductor. Make sure the bare ends of the wires are not unravelled. (If they are, twist them tight again.)

2. Insert the wire to the rear panel of the unit and close the lever.



Notes :

- To prevent damage to circuitry, never short-circuit positive (+) and negative (-) speaker wires.

- Be sure to connect only positive (white) wires to positive (+) terminals and negative (blue) wires to negative (-) terminals. Incorrect connection can damage the speakers.

Positioning the speakers

How you set up your speakers can affect the bass and the sound field.

Note the following points:

- Place the speakers on flat secure bases.

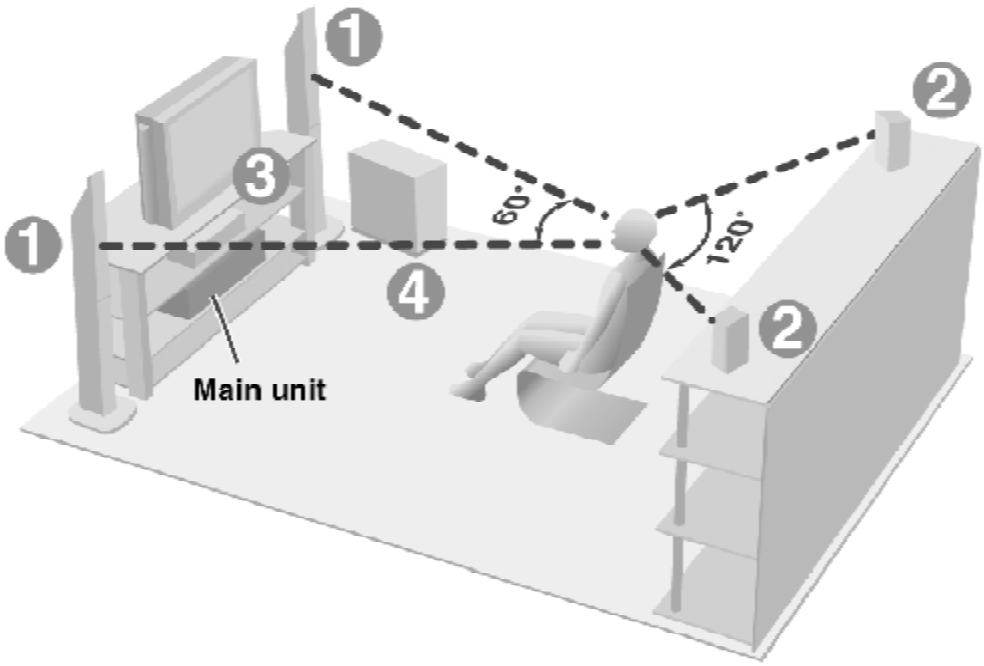
- Placing speakers too close to floors, walls, and corners can result in excessive bass. Cover walls and windows with a thick curtains.

- Left and right speakers are interchangeable, but front and surround speakers are not.

Setup example

Place the front, center and surround speakers at approximately the same distance from the

seating position.
The angles in the diagram are approximate.



Used only supplied speakers

- Using other speakers can damage the unit, and sound quality will be negatively affected.

- Set the speakers up on an even surface to prevent them from falling.
Take care proper precautions to prevent the speakers from falling if you cannot see them up on an even surface.

Main unit

Note

- Keep your speakers at least 10 mm (13/32”) away from the system for proper ventilation.

- To allow for proper ventilation and to maintain good airflow around the main unit, position it with at least 5 cm (2”) of space on all sides.

- Do not block the ventilation holes of the main unit.

Center speaker

- Vibration caused by the center speaker can disrupt the picture if it is placed directly on the television. Put the center speaker on a rack or shelf.

- To prevent the speakers from falling, do not place directly on top of the television.

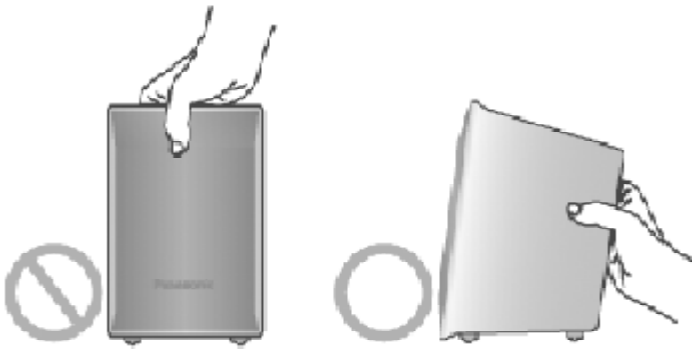
Subwoofer

Place to the right or left of the television, on the floor or a sturdy shelf so that it will not cause vibration. Leave about 30 cm (11-13/15") from the television.

Caution

- Do not stand on base.
Be cautious when children are near.
e.g. Front speaker

- Do not touch the netted area of the speakers.
e.g. Surround speaker

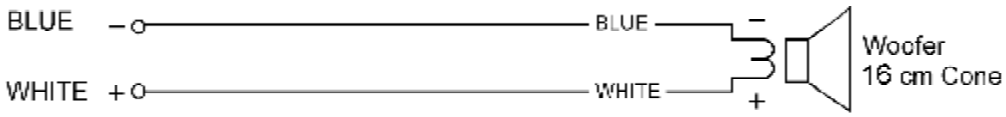


Notes on speaker use

- You can damage your speakers and shorten their useful life if you play sound at high levels over extended periods.
- Reduce the volume in the following cases to avoid damage.
- When playing distorted sound.
- When the speakers are reverberating due to a record player, noise from FM broadcasts, or continuous signals from an oscillator, test disc, or electronic instrument.
- When adjusting the sound quality.
- When turning the unit on or off.

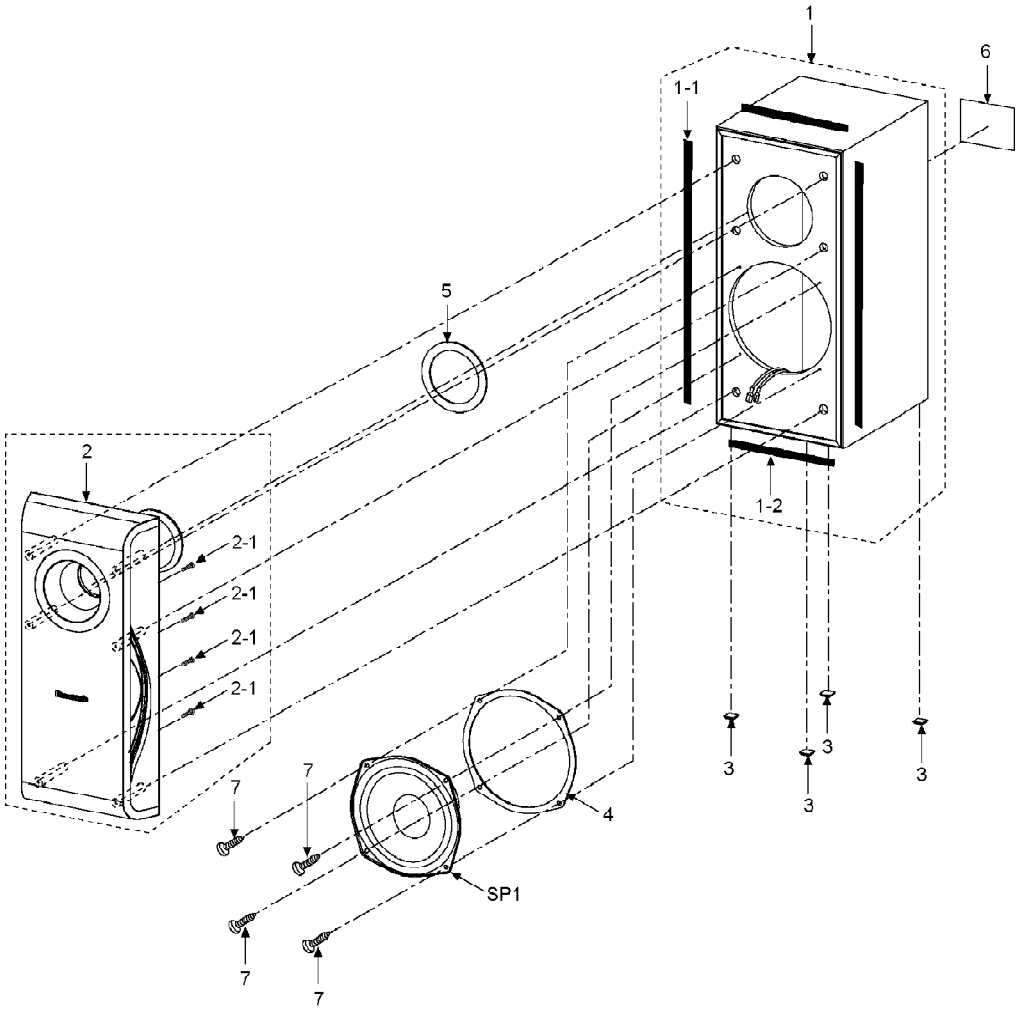
	Caution • **The main unit and supplied speakers are to be used only as indicated in this setup. Failure to do so may lead to damage to the amplifier and/ or the speakers, and may result in the risk of fire. Consult a qualified service person if damage has occurred or if you experience a sudden change in performance.** • **Do not attempt to attach these speakers to walls using methods other than those described in this manual.**

3. Connection of Wiring Diagram



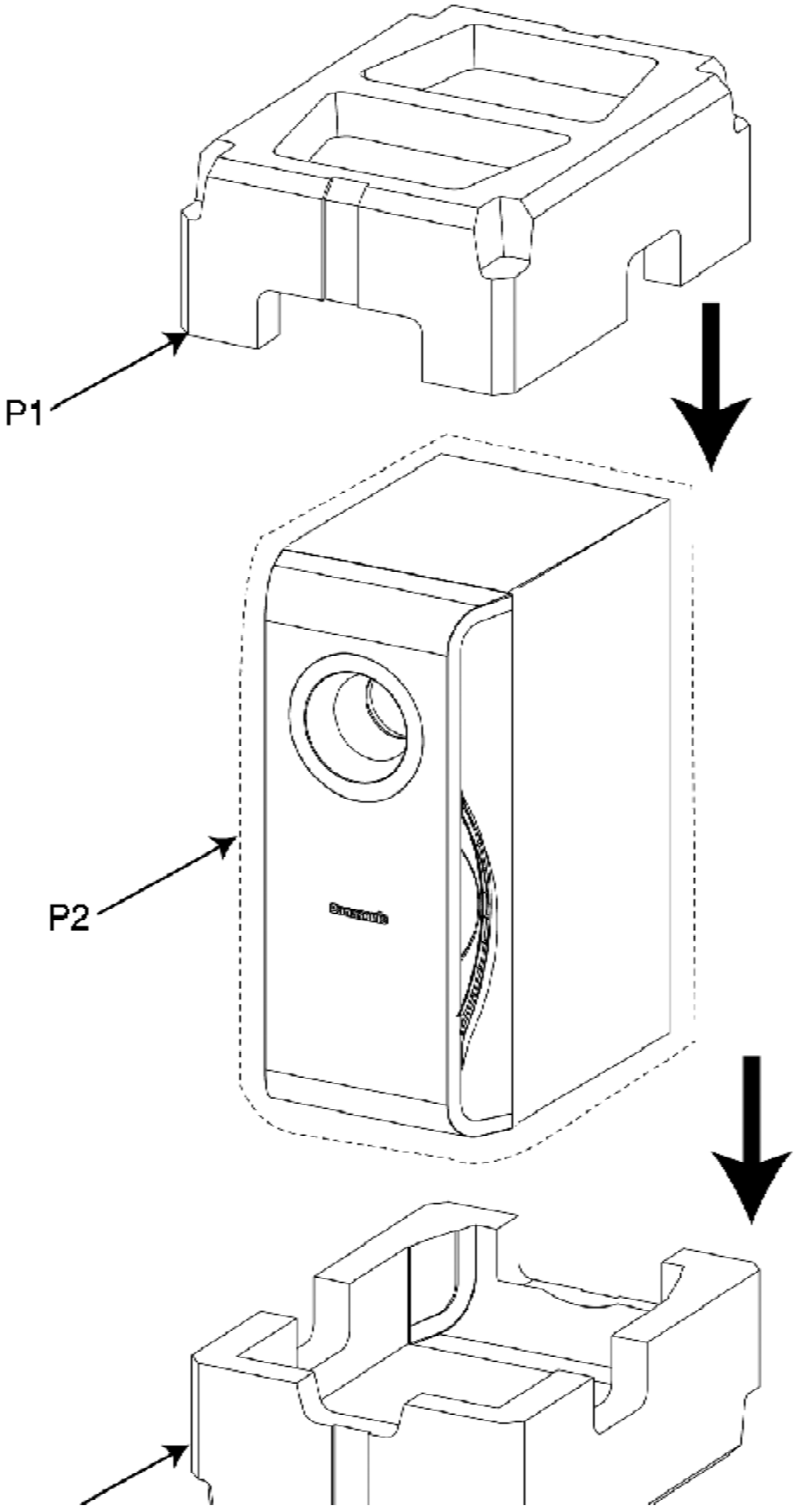
4. Exploded view

4.1. Cabinet Parts Location



4.2. Packaging

Note: The diagram below shows the packaging for SB-W740P-S.


P1
P2

5. Replacement Parts List

Notes :

- Important safety notice :

When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.

- [M] markings in the Remarks columns indicates parts supplied by PAVCSG.

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	RYQX0230	SPEAKER CAB.ASS'Y	[M]
1-1	RMFX0046	HIMELON (LONG)	[M]
1-2	RMFX0047	HIMELON (SHORT)	[M]
2	RYBX0126-S	FRONT CABINET ASS'Y	[M]
2-1	XTB3+10GFJ	SCREW	[M]
3	RKA0072-KJ	LEG CUSHION	[M]
4	RMQX0174	EVA PACKING (WOOFER)	[M]
5	RMQX0166	EVA PACKING (PORT)	[M]
6	RGNX0316-K	SPEC LABEL	[M]
7	XTB4+14AF-K	SCREW	[M]
		PACKING MATERIALS	
P1	RPNX0356	POLYFOAM	[M]
P2	RPFX0157	MIRAMAT	[M]
		SPEAKER	
SP1	EAS16PL702B	WOOFER	[M]

FLE0512W/S